

IN THE CLAIMS:

Please amend Claims 1, 3, 5, 6, 11-14, 16-19, and 21-28, as indicated below.

The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claim 1 (currently amended): An information processing apparatus for demultiplexing and decoding a bitstream, which contains a plurality of object data and management information for managing each of the plurality of object data, and reproducing ~~[[a]]~~ the plurality of object data, comprising:

extraction means for extracting, from the management information, time limit information which pertains to a time limit set for each of the plurality of object data, wherein the time limit information includes information of a period in which reproduction is permitted; and

control means for controlling a reproduction process ~~[[of]]~~ set for each of the plurality of object data based on the time limit information.

Claim 2 (original): The apparatus according to claim 1, wherein the bitstream is an MPEG-4 bitstream, and the management information is IPMP information appended to the bitstream.

Claim 3 (currently amended): The apparatus according to claim 1, wherein said extraction means further extracts control information pertaining to a control method of the reproduction process set for each of the plurality of object data and access point

information for performing the reproduction process set for each of the plurality of object data when the time limit information is extracted, and

said control means further controls the reproduction process based on the control information and the access point information when the reproduction process of each of the plurality of object data is controlled based on the time limit information.

Claim 4 (previously presented): The apparatus according to claim 3, wherein said control means comprises acquisition means for acquiring time period information set for each of the plurality of object data, and controls the reproduction process of each of the plurality of object data in accordance with the time period information and the time limit information.

Claim 5 (currently amended): The apparatus according to claim 4, wherein the time limit information [[is]] includes a total of browsing, display, or reproduction [[times]] time since [[the]] a first browsing, display, or reproduction time of contents of a bitstream of each of the plurality of object data.

Claim 6 (currently amended): The apparatus according to claim 4, wherein the time limit information [[is]] includes a predetermined time period since [[the]] a first browsing, display, or reproduction time of contents of a bitstream of each of the plurality of object data.

Claim 7 (original): The apparatus according to claim 4, wherein the time limit information is a specific time.

Claim 8 (original): The apparatus according to claim 4, wherein said acquisition means acquires a time as the time period information from a timepiece that provides a standard time via a network.

Claim 9 (original): The apparatus according to claim 4, wherein said acquisition means acquires a time as the time period information from an internal timepiece of an external computer which does not allow tampering.

Claim 10 (original): The apparatus according to claim 4, further comprising measurement means for measuring time, and wherein said acquisition means acquires the time from said measurement means.

Claim 11 (currently amended): The apparatus according to claim 4, wherein said control means checks based on the time period information and the time limit information if a time limit of object data of interest has expired, and controls at least one of input, decoding, and reproduction of the object data of interest in accordance with the ~~control time period~~ information and the time limit information, when the time limit has expired.

Claim 12 (currently amended): The apparatus according to claim 1, wherein said control means updates the time limit information in accordance with reproduction of at least one of the plurality of object data.

Claim 13 (currently amended): The apparatus according to claim 12, wherein said control means updates the time limit information as new time limit information by counting an elapsed time during browsing, display, or reproduction of at least one of the plurality of object data, and subtracting the counted elapsed time from the time limit information.

Claim 14 (currently amended): An information processing method for demultiplexing and decoding a bitstream, which contains a plurality of object data[[.]] and management information for managing each of the plurality of object data, and reproducing [[a]] the plurality of object data, comprising:

an extraction step of extracting, from the management information, time limit information which pertains to a time limit set for each of the plurality of object data, wherein the time limit information includes information of a period in which reproduction is permitted; and

a control step of controlling a reproduction process [[of]] set for each of the plurality of object data based on the time limit information.

Claim 15 (original): The method according to claim 14, wherein the bitstream is an MPEG-4 bitstream, and the management information is IPMP information appended to the bitstream.

Claim 16 (currently amended): The method according to claim 14, wherein the extraction step further ~~extracts~~ includes extracting control information pertaining to a control method of the reproduction process set for each of the plurality of object

data and access point information for performing the reproduction process set for each of the plurality of object data when the time limit information is extracted, and

the control step further ~~controls~~ includes controlling the reproduction process set for each of the plurality of object data based on the control information and the access point information when the reproduction process of each of the plurality of object data is controlled based on the time limit information.

Claim 17 (currently amended): The method according to claim 16, wherein the control step comprises the includes an acquisition step of acquiring time period information set for each of the plurality of object data, and controls the reproduction process ~~[[of]]~~ set for each of the plurality of object data in accordance with the time period information and the time limit information.

Claim 18 (currently amended): The method according to claim 17, wherein the time limit information ~~[[is]]~~ includes a total of browsing, display, or reproduction ~~[[times]]~~ time since ~~[[the]]~~ a first browsing, display, or reproduction time of contents of a bitstream of each of the plurality of object data.

Claim 19 (currently amended): The method according to claim 17, wherein the time limit information ~~[[is]]~~ includes a predetermined time period since ~~[[the]]~~ a first browsing, display, or reproduction time of contents of a bitstream of each of the plurality of object data.

Claim 20 (original): The method according to claim 17, wherein the time limit information is a specific time.

Claim 21 (currently amended): The method according to claim 17, wherein the acquisition step includes ~~the step of~~ acquiring a time as the time period information from a timepiece that provides a standard time via a network.

Claim 22 (currently amended): The method according to claim 17, wherein the acquisition step includes ~~the step of~~ acquiring a time as the time period information from an internal timepiece of an external computer which does not allow tampering.

Claim 23 (currently amended): The method according to claim 17, further comprising a measurement step of measuring time, and wherein the acquisition step includes ~~the step of~~ acquiring the time from ~~[[said]]~~ the measurement step.

Claim 24 (currently amended): The method according to claim 17, wherein the control step includes ~~the step of~~ checking based on the time period information and the time limit information if a time limit of object data of interest has expired, and controlling at least one of input, decoding, and reproduction of the object data of interest in accordance with the ~~control the~~ time limit information and the time period information, when the time limit has expired.

Claim 25 (currently amended): The method according to claim 14, wherein the control step includes the step of updating the time limit information in accordance with reproduction of at least one of the plurality of object data.

Claim 26 (currently amended): The method according to claim 25, wherein the control step includes the step of updating the time limit information as new time limit information by counting an elapsed time during browsing, display, or reproduction of at least one of the plurality of object data, and subtracting the counted elapsed time from the time limit information.

Claim 27 (currently amended): A computer-readable storage medium which stores storing a program code of for implementing an information processing method for demultiplexing and decoding a bitstream, which contains a plurality of object data and management information for managing each of the plurality of object data, and reproducing [[a]] the plurality of object data, comprising wherein the program comprises:

[[a]] code of [[the]] an extraction step of extracting, from the management information, time limit information which pertains to a time limit set for each of the plurality of object data, wherein the time limit information includes information of a period in which reproduction is permitted; and

[[a]] code of [[the]] a control step of controlling a reproduction process [[of]] set for each of the plurality of object data based on the time limit information.

Claim 28 (currently amended): A ~~program for implementing an~~ computer-implemented information processing method, comprising the steps of:

inputting a bitstream which contains at least one ~~or a plurality of~~ encoded object data, and management information for managing the at least one encoded object data;

demultiplexing the bitstream into at least one object data;

extracting, from the management information, time limit information which pertains to a time limit set for the at least one ~~or plurality of~~ object data; and

controlling a reproduction process of the demultiplexed at least one object data based on the basis of the extracted time limit information.